Subject Index

A

ABO and Rh_o(D) typing, the evaluation of a rapid card technic for 328
Abstracts of scientific papers, 19th Annual Meeting of A.A.B.B. 505
ACD solution, properties of aldose carriers in human erythrocytes during preservation of whole blood in 130
Acquired hemolytic anemia, etiology and pathogenesis of 438
Aldose carriers in human erythrocytes during preservation of whole blood in ACD solution, properties of 130
Antibodies by freezing, serum, concentration of. unwanted, from sera containing MNS or Duffy group antibodies without the need for selecting "appropriately negative" cells, absorption of 594 155
Anti-Do^a, the third example of 310
Anti-Lu^b and related data, three examples of.. 584
Anti-N agglutinin in human serum, immune, Report of associated hemolytic reaction 592
Anti-Tja-like hemolysin in pregnant aborters in Budapest, absence of 499
Anticoagulant solutions used in the preparation of platelet concentrates, an evaluation of ... 213
Antiglobulin (Coombs) testing, 1966 64

B

Bilirubin on the mammalian erythrocyte, the effect of 475
Blood bank, hospital, on finding rare donors in the 534
plasma, antihemophilic factor (AHF) stability in fresh frozen 224
refrigerator for temporary storage of blood in surgery, a portable 274
Blood banking, the volunteer in 425
diluted with plasma and plasma substitutes *in vitro*, changes of pH of 594
donors, increased haptoglobin serum levels in a group of 600
filtered by exchange resins, perfusion with. 371
for exchange transfusion, choice of 101
group antigen Do^a (Dombrock) and the characteristics of anti-Do^a, studies on the distribution of 268
group substances, heterophilic antibodies following injection of 487
obtained postmortem, experimental studies on the transfusion of 565
preservation, studies on—relative capacities of hexoses, hexitols and ethanol to maintain red cell ATP levels during storage 537
stored human, kept fluid by urokinase induced fibrinolysis, characteristics of 263
transfusion service, the role of platelet administration in a 55
whole, for transfusion, cryogenic preservation of 104

Book Reviews

Advances in Blood Grouping, Vol. II, by Alexander S. Wiener 341
Blood Program in World War II, by Douglas B. Kendrick 84
Coagulation and Transfusion in Clinical Medicine, by Shirley A. Johnson and Tibor J. Greenwalt 160
Die Bluteiweisskörper in der Ultrazentrifuge (blood protein ultracentrifugation) by K. Jahnke and W. Scholtan 85
The Pharmacological Basis of Therapeutics, by Louis S. Goodman and Alfred Gilman 275
The Transfusion Service in Czechoslovakia, Ed. by Joseph Novák and Eduard Dobrý ... 86

C

Cardiopulmonary bypass, heparinized blood versus ACD blood for 360
Chronic myelocytic leukemia, repeated leukapheresis of patients with 175
Clinical cardiopulmonary bypass, homologous fresh-frozen plasma as a priming fluid for .. 379
Clotting factors in outdated blood bank plasma and its potential use for therapy in hemophilia and other hemorrhagic diseases, assay of 289
Cook islanders, blood group, serum genetic factors, and hemoglobins in. I. Atiu Island ... 319
Cook islanders, blood group, serum genetic factors and hemoglobins in. II. Rarotonga 319
Coombs positive autologous erythrocytes produced by agglomeration, the *in vivo* survival of 247

D

Dextran-40 in extracorporeal circulation, clinical use of—Summary of 5 years' experience .. 401
Dimethylsulfoxide and dextrose, preparation and *in vivo* circulation of human platelets preserved with combined 572
Dipridamole on the adenosine triphosphate level of stored human blood, the effect of .. 427
Dogs, treatment by transfusion of severe general radiation injury in 134
Dried fibrinogen (human) and the risk of transmitting hepatitis by its administration, the clinical use of 234

E

Erythrocyte, mammalian, the effect of bilirubin on the 475
Erythrocytes, autologous, deglycerolized, resuspended, processed using centrifugation, *in vitro* survival and supernatant hemoglobin of 554
autologous, using glycerol, slow freeze technic and agglomeration, observations on the preservation of 254

frozen, glycerolized, nucleotides in 116
human, agglutinins in marine algae for ... 82
Exchange resins, perfusion with blood filtered by 371
Extracorporeal circulation of blood, effects of .. 357
the use of blood substitutes for 355
the use of ACD blood for 369

F

Factor VIII in the frozen state, stability of ... 230
Finding rare donors in the hospital blood bank 534
Five per cent dextrose in 0.2 per cent saline as a priming solution, the use of 397
Freezing serum, concentration of antibodies by 594

G

Gamma globulin, human, detected by rabbit anti-sera, genetic factors of 140
Gibbons, human-type blood factors in, with special reference to the multiplicity of serological specificities of human type M blood.. 311
Group O blood, "safe" selection of 331

H

Hemolytic disease, Anti-s—case report 590
Hemophilia and other hemorrhagic diseases, assay of clotting factors in outdated blood bank plasma and its potential use for therapy in 289
Hummer, George John, President of AABB, 1966-67 533

I

Immuno-globulin G from human and monkey blood, a procedure for preparing 146
Information about the use of blood, blood substitutes, and adjuvant solutions for extracorporeal circulation, the status of 421
In vivo survival and (1) density distribution, (2) osmotic fragility of previously frozen, autologous, agglomerated, deglycerolized erythrocytes, relationships between 554

J

Joint statement issued by the committee on blood and transfusion problems—NAS-NRC. 62

L

Leukocyte antigens in the formed elements of the blood, distribution and quantity of 193
from donors with chronic myelocytic leukemia to patients with leukopenia, the transfusion of 183
Leukopenia, the transfusion of leukocytes from donors with chronic myelocytic leukemia ... 183

M

Metabolic state and (1) *in vivo* survival and (2) density distribution of previously frozen human erythrocytes, relationships between.. 543
Method for achieving effective levels of plasma coagulation factors using plasmapheresis of the patient as a 293
simple, for continuously recording osmotic fragility, red cell changes as observed by a .. 336
MNS or Duffy group antibodies without the need for selecting "appropriately negative" cells, absorption of unwanted antibodies from sera containing 155

N

Newborn, Anti-Lu^b and mild hemolytic disease of the 197
N-substituted glycosylamines, inhibition of hemagglutinins by 150

O

Osmotic fragility, red cell changes as observed by a simple method for continuously recording 336

P

Patients with chronic myelocytic leukemia repeated leukapheresis of 175
Physiological and pharmacological effects of the addition of buffer 389
Plasma, acidified, platelet concentrates from—a method of preparation without the use of additives 308
and plasma substitutes *in vitro*, changes of pH of blood diluted with 491
fresh frozen, plasmapheresis of the patient as a method for achieving effective levels of plasma coagulation factors using 293
Platelet administration in a blood transfusion service, the role of 55
concentrates, an evaluation of anticoagulant solutions used in the preparation of 213
concentrates for transfusion employing adenosine diphosphate, preparation of 205
concentrates prepared from acidified platelet-rich plasma, transfusion of 302
life span 23
-rich plasma, transfusion of platelet concentrates prepared from acidified 302
transfusion, immunological considerations attending 39
transfusion in leukemia and aplastic anemia, effectiveness of 50
transfusion, the effect of filters on the efficiency of 493
transfusions, conference on—introductory remarks 1
transfusions, measurement of the effectiveness of 18
transfusions, the anticoagulants of choice for 32
transfusions, the clinical application of—statement issued by the committee on blood and transfusion problems—NAS-NRC 62
Platelets, human, preserved with combined dimethylsulfoxide and dextrose, preparation and *in vivo* circulation of 572
the function of—a review 3
Polyelectrolytes and human blood, interaction of—the effect of antiheparin agents 74
Polyvinylpyrrolidone, *in vitro* study of a process using rapid freezing, thawing and protection by 104
Pregnant aborters in Budapest, absence of Anti-Tja-like hemolysin in 499
Preservation of autologous erythrocytes using glycerol, slow freeze technic and agglomeration, observations on the 254

R

Rabbit anti-sera, genetic factors of human gamma globulin detected by 140
Red cell ATP levels during storage, the relative capacities of hexoses, hexitols and ethanol to maintain 537
ATP, the preservation of—effect of phosphate 124
typing, another source of error in 80
Red cells and antibodies, a simple hemagglutination system requiring small amounts of .. 67
Rh antigen E^w, a third example of 271
factor, on the possible relation of sialic acid to the 577
system, immunological studies of. IV. Hemagglutination of antigenic expression regulated by interaction between paired genes .. 462

S

"Safe" group O blood, selection of 331
Serum, human, immune Anti-N agglutinins in 592
levels, increased haptoglobin, in a group of blood donors 600
Sialic acid to the Rh factor, on the possible relation of 577

T

Testing, antiglobulin (Coombs) 1966, How much ignorance is bliss? 64
The Cooley Lecture 438
Transfusion of blood obtained postmortem, experimental studies on the 565
of severe general radiation injury in dogs, treatment by 134

Abstracts

Blood Donors

The public health service and the blood donor problems, by A. E. Kisselev and A. Lipats .. 276

Blood Groups and Antibodies

A further example of Anti-Yt^a, by H. Bergvalds *et al.* 344
A human serum factor agglutinating human red cells exposed to lactose, by M. A. Gray .. 162
A new antibody: Anti-Rh[27] (cE) in the Rh blood-group system, by P. Keith *et al.* 343
A "new" blood group antigen, Do^a, by J. Swanson *et al.* 278
A new method for detection of "immune" type of Anti-B antibody, by M. Yokoyama and A. Steigmaier 606
A quantitative immunogenetic study of gene suppression involving A_1 and H antigens of the erythrocyte without affecting secreted blood group substance. The ABH phenotypes A^bm and O^bm, by J. M. Solomon *et al.* 161
A second example of anti-Yt^b, by G. M. Giles and G. Plaut 87
A specific agglutinin in the snail *Otala* (helix) lactea, by W. C. Boyd 345
A technic which increases the sensitivity of the antigen-antibody reaction, by L. V. Milner.. 344
An agglutinin associated with P and the ABO blood group system, by P. Tippett *et al.* ... 342
An anomaly of inheritance in the MNSs blood groups, by B. Chown *et al.* 277
Anti-i, a frequent cold agglutinin in infectious mononucleosis, by R. E. Rosenfield *et al.* ... 344
Anti-Tm, an antibody defining a new antigenic determinant within the MN blood-group system, by P. D. Issitt *et al.* 277
Autoanticorps à spécificités multiples, anti-HI, anti-AI, dans certains eluats d'anémie, by C. Salmon *et al.* 342
Blood grouping tests in disputed parentage. Qualifications of experts. II. An error involving the rare Rh-Hr blood types Rh_zRh_1 and Rh_zrh, by A. S. Wiener 161
Déficit en antigène H chez certains sujets de groupe O atteints de leucémie aigue, by C. and D. Salmon 86
Distribution and development of the blood factor Mt^a, by A. A. Konugres *et al.* 87
Distribution of factors Kell and Cellano among the inhabitants of Moscow, by T. M. Pishunova 343
Données quantitatives et thermodynamiques comparées, concernant les antigènes B_{100}, B_{80}, B_{60}, et B_0. Applications à l'étude de l'agglutination, by C. Salmon *et al.* 161
Erythrocyte mucoids, by G. Uhlenbruck 87
Etude immunologique et génétique de la variabilite du phénotype A_x, by C. Salmon *et al.* 342
Evidence for a mutation or crossing-over at the Rh locus, by A. G. Steinberg 277
Experimental production of cold agglutinins, in rabbits, by N. Costea *et al.* 278
Fitoaglutininas en las semillas de plantas Españolas, by M. Ortega and A. López-Dolara (in Spanish) 345
Genetic evidence confirming the localization of Sutter in the Kell blood-group system, by N. E. Morton *et al.* 343
Hemolytic disease of the newborn caused by anti-Jk^a, by A. Geczy and W. A. Matheson .. 162
I antigen in leukaemic patients, by J. Ducos *et al.* 607
Inhibition of hemagglutinins by amino acids, by A. Chattoraj and W. C. Boyd 342
Isolation and fluorescent labeling of *Ulex Europaeus* anti-H lectin, by J. W. Fenton *et al.* 86
"Kamhüber" a new human blood group antigen of familial occurrence, revealed by a severe transfusion reaction, by P. Speiser *et al.* 345
Partial expression of A in group AB and group A members of a Greek family, not conforming with previously reported examples, by R. Jakobowicz *et al.* 341